



## VT 40 PT camera system

Compact and watertight camera with pan-tilt function and integrated LED lighting

### Applications and features

#### **Applications**

- All underwater inspections and monitoring applications in hard to reach areas
- Nuclear applications - e.g. pressure vessel inspections
- Industrial applications - e.g. deep well inspections
- Decommissioning applications - e.g. pipe and tank inspections

#### **Features**

- Robust and compact design
- Zoom lens 10x optical / 12x digital
- High-resolution camera for detailed pictures
- Easy handling
- Integrated LED lighting
- Pan and tilt functions
- Watertight





VT 40 PT with anodized aluminium body

***VT 40 PT with anodized aluminium body***

Watertight color camera with 10:1 optical zoom. Equipped with Pan-Tilt function, integrated LED lighting and extended camera functions makes it ideal for all inspections in nuclear environments. Compact dimensions make the camera ideal for inspections in pipes and hard to reach areas.



VT 40 PT attached to VT 125 FW ROV

***VT 40 PT on VT 125 FW ROV***

The VT 40 PT can be attached to visatec's VT 125 FW ROV to work as a deployable inspection system in pipes, tanks or any other area that cannot be reached with poles or other tooling. The whole system is controlled via one integrated remote control.



VT 40 PT with carbon fiber poles attached to holder

***VT 40 PT on carbon poles and holder***

The VT 40 PT camera system can easily be deployed with visatec's carbon fiber poles. Various pole diameters makes this kind of deployment easy and cost effective. Visatec's holder VT Vario can be used to attach the camera system on poles to any rail or side wall of tanks.

## Technical data - VT 40 PT

Housing	Anodized aluminium
Dimensions /diameter	L x ø 225 x 70 mm
Image sensor	1/4" EXview HAD IT CCD / resolution 530 lines hor.
Video output	Y/C-FBAS / PAL-NTSC
Zoom	10x optical / 12x digital
Field of vision	46° - 4.6° hor.
Focus	Auto or manual
Iris / brightness	Auto or manual
Pan / tilt range	Infinite / 270° with position feedback encoder
Illumination	9 x 3W LED
Weight	1,55 kg
Temperature	0 – 50 °C
Pressure water tight	5 bar
Radiation resistance	1500 rad/h (15Gy/h) / Total 25000 rad (250 Gy)

## Related / compatible products

### **Control units**

VT 300 CU series	19"-Rackmount / Standalone control unit
VT 315 M CU	Mobile control unit with integrated monitor in PeliCase

### **Deployment tools**

ROV	VT 100 DAR
Carbon poles	Sealed wired and non-wired carbon poles in various lengths for easy deployment of camera system
Manipulators and holders	Various Tripods, holders and mounting units available

### **Lighting**

Additional lighting	Various additional lighting sources available - for increased illumination of objects and surrounding inspection area
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### **Cables**

Cable reels	Various cable reels with adaptable cable lengths available, motor-driven if needed
Single cable	Single cable for fast and flexible cabling, various lengths

## Related products and accessories



### **Control unit VT 315 M CU**

Compact control unit in watertight PeliCase with integrated monitor and optionally integrated text inserter



### **Control unit VT 300 CU series**

Rack mountable or standalone control unit in 19-inch case for VT 40, VT 44, VT 72, VT 300 and VT 120 PT HD camera series

### **visatec GmbH**

Gewerbepark 7  
87477 Sulzberg/See  
Germany

Tel. + 49 8376 9215 0  
Fax + 49 8376 9215 25

[www.visatec-systems.com](http://www.visatec-systems.com)  
[info@visatec-systems.com](mailto:info@visatec-systems.com)



### **Remote control VT 780 FB**

Robust remote control for all camera features



### **VT Vario tool holder**

Variable rail holder for nearly all visatec systems on poles (29mm and 42mm)



### **CU text overlay system**

Video text inserter with a wide functionality range for professional applications



### **VT 72 SKT cable reel**

Reel equipped with kevlar reinforced cable



### **Carbon poles - wired**

Wired carbon poles for deployment of cameras and tools



### **Pole adaptor**

Stainless steel adaptor to connect camera to carbon fiber poles